

Utah

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	3,994	453,928	31	Total R&D performance, 1995 (millions)	\$1,144	\$177,210	29
Doctoral engineers, 1995	929	86,738	27	Industry R&D, 1995 (millions)	\$803	\$130,332	28
S&E doctorates awarded, 1996	300	27,230	27	Academic R&D, 1996 (millions)	\$211	\$22,481	30
of which, in engineering	25%	23%		of which, in life sciences	47%	56%	
in life sciences	21%	25%		in engineering	24%	16%	
in physical sciences	19%	14%		in physical sciences	8%	10%	
S&E postdoctorates, 1996	297	37,019	27	Higher education current-fund expenditures, 1995 (millions)	\$1,846	\$182,602	31
in doctorate-granting institutions							
S&E graduate students, 1996	4,766	430,631	29	Number of SBIR awards, 1990-1997	380	31,155	21
in doctorate-granting institutions				Patents issued to state residents, 1997	613	61,699	25
Population, 1997 (000s)	2,059	271,464	35	Gross state product, 1996 (billions)	\$50.4	\$7,677.4	36
Civilian labor force, 1997 (000s)	1,040	137,564	35	of which, agriculture	1%	2%	
Personal income per capita, 1997	\$20,432	\$25,598	45	manufacturing, mining, construction	23%	23%	
Federal spending				transportation, communication, utilities	9%	8%	
Total expenditures, 1997 (millions)	\$8,436	\$1,405,060	38	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$352	\$66,087	27	finance, insurance, real estate	16%	19%	
				services	20%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	351,836	133,612	0	96,659	119,623	1,236	706	27
Department of Agriculture	12,038	7,890	0	0	4,140	8	0	36
Department of Commerce	1,973	0	0	1,835	138	0	0	31
Department of Defense	230,769	120,049	0	87,726	22,994	0	0	24
Department of Energy	5,553	0	0	681	4,870	2	0	35
Dept. of Health & Human Services	67,690	34	0	2,634	63,880	862	280	28
Department of Interior	6,126	5,491	0	62	573	0	0	21
Department of Transportation	559	0	0	131	2	0	426	45
Environmental Protection Agency	127	0	0	0	127	0	0	44
Nat'l Aeronautics & Space Admin.	6,892	148	0	2,812	3,893	39	0	34
National Science Foundation	20,109	0	0	778	19,006	325	0	26
State rank	27	20	na	31	28	45	42	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable